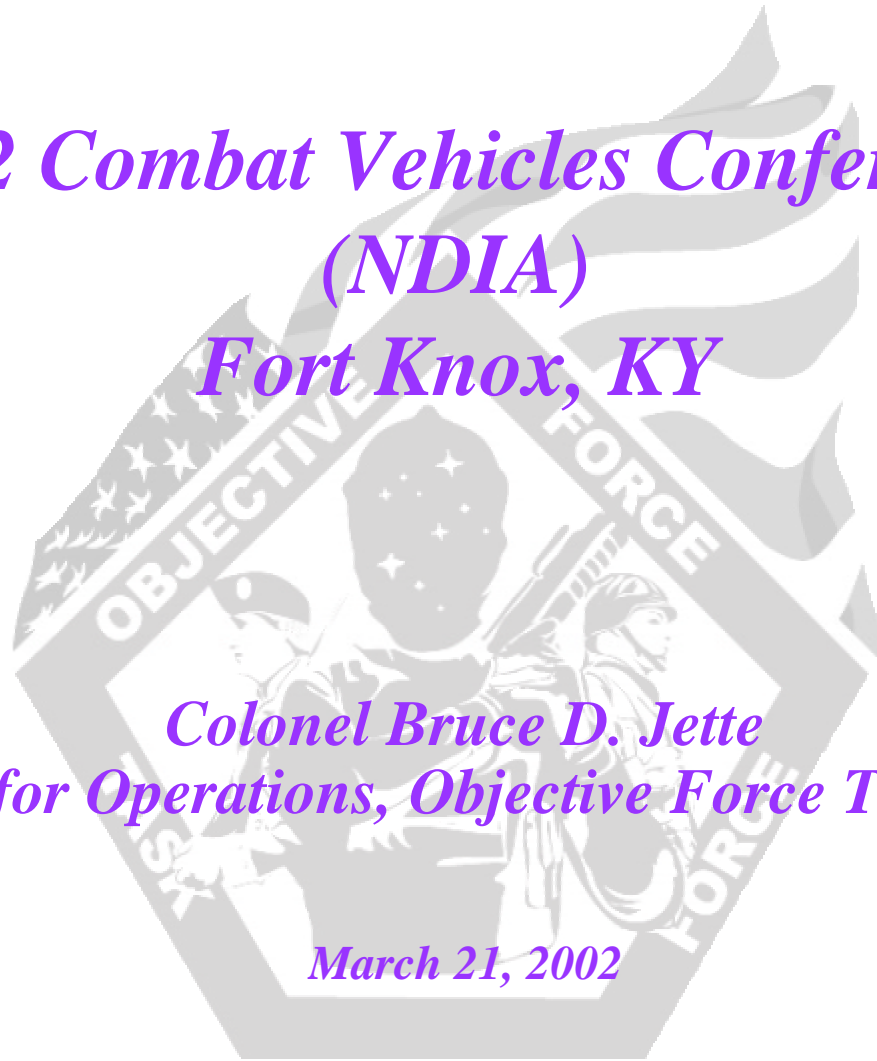


*2002 Combat Vehicles Conference
(NDIA)*

Fort Knox, KY

*Colonel Bruce D. Jette
Deputy for Operations, Objective Force Task Force*

March 21, 2002



The Requirement to Transform



- | Evolving Security Challenges of the 21st Century
- | Compelling Need to Respond More Rapidly & Decisively Across the Full Spectrum of Military Operations
- | National Security Strategy and National Military Strategy
- | Pace and Proliferation of Technology

The Army Provides the President and the Secretary of Defense with Options for Decisive Victory

Transforming the Entire Army



Translates to Dynamic Changes Within the Army

Doctrine
Training
Leader Development
Organization
Materiel
Soldiers
Installations

SM

Fielding The Objective Force...Our Future Army

The Objective Force



- ┌ Fights, thinks, & communicates as a member of the Joint Force
- ┌ Capable of functioning as a Joint Force HQ
- ┌ Full spectrum capable – general purpose forces with special purpose capabilities dominant at every point on the spectrum
- ┌ Move - across larger areas of action organized into tailored formations
- ┌ Shoot – employs organic fires to influence/action & exploit Joint strike systems and precision munitions
- ┌ Communicate/C4ISR - networked force, observe and orient within Joint warfighter framework

XXIst Century Army

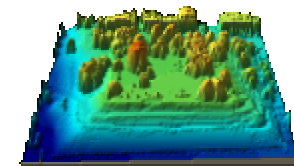
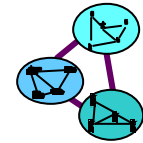
Emerging Technologies for Block I and Beyond

Lethality

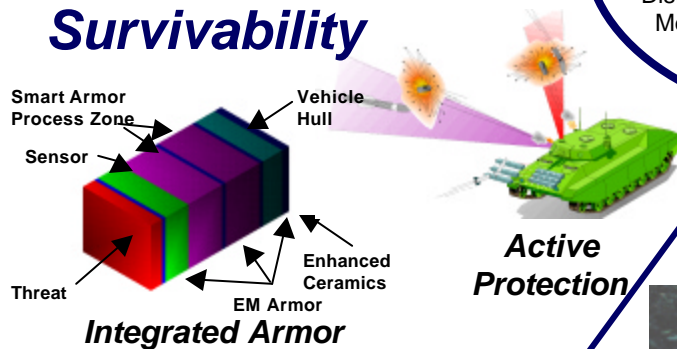


C4ISR

- Organic 3D Targeting
- Mobile C3
- FCS Comms - Multi-node high/low band
- Tags
- All weather OAV sensor – JIGSAW

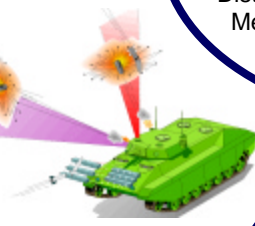


Survivability



Signature Management

Active Protection



UAVs



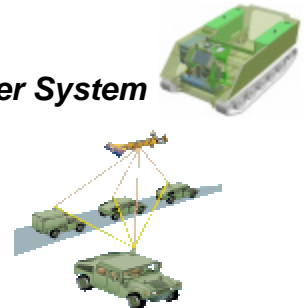
Robotics



Follower UGV

Mobility

- Combat Hybrid Power System
- Advanced Diesel

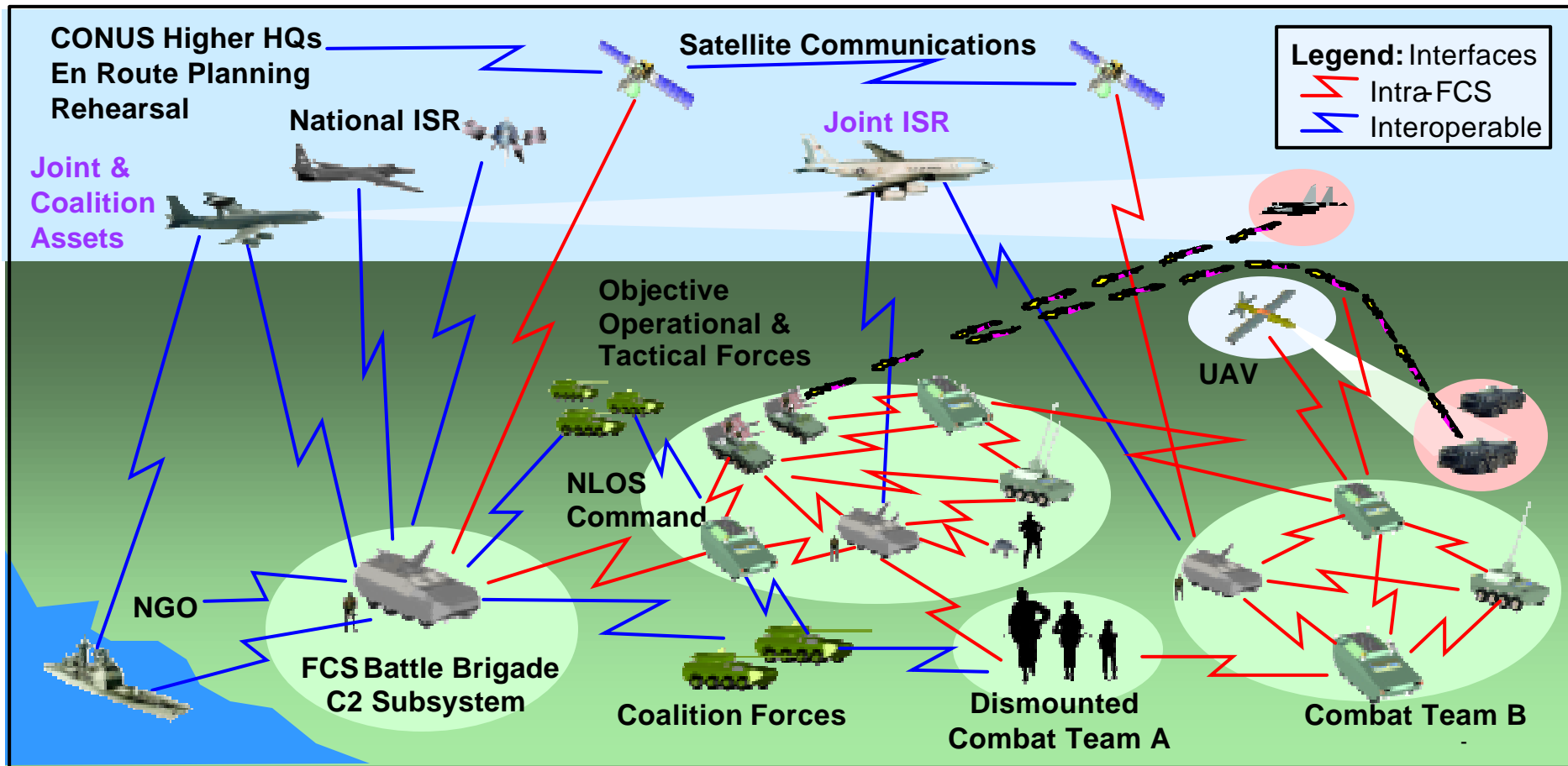


Human Engineering

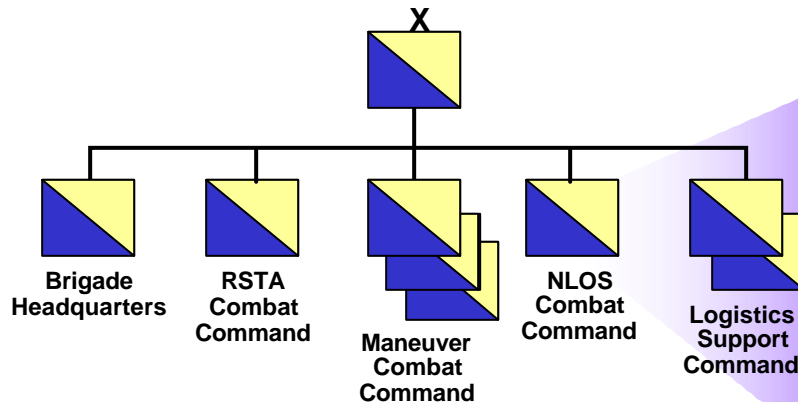
Crew Integration & Automation Testbed



The LSI's Concept of Operations



The LSI's Concept for the FCS Unit of Action



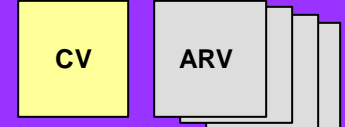
2,847	Total TOE Personnel
792	Dismounted Infantry and Scouts
330	Shooter Vehicles
971	Total vehicles
216	Robotic vehicles
9,864	Stowed Kills
11,700	Tons for the Brigade

Maneuver Company

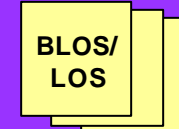
NLOS Mortar Team



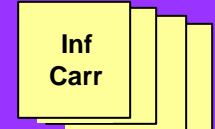
Robotic Assault Team



BLOS / LOS Fires & Assault Team

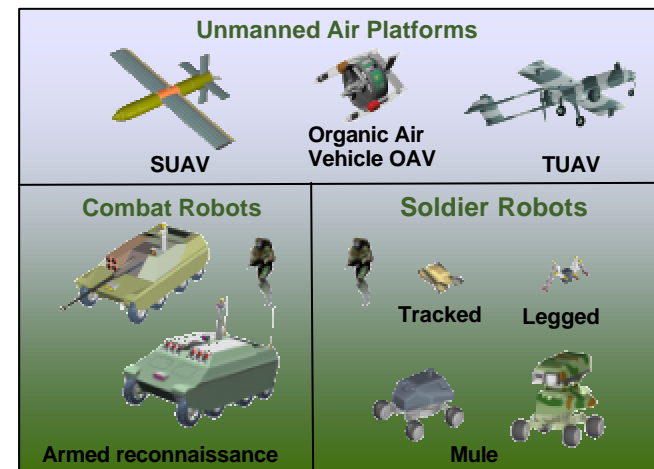
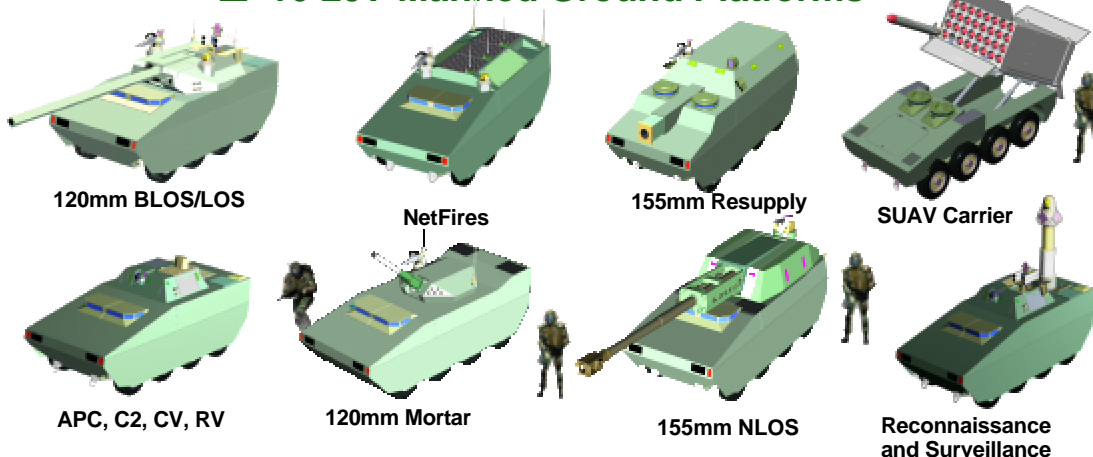


Infantry Team



□ = Robotic

16-20T Manned Ground Platforms



Lead System Integrator

Industry role as FCS Lead System Integrator (LSI)...

Leader clearly defined ... NOT a Consortium!

- | **Systems of Systems Integrator...**total systems integration responsibility
- | **Integral partner on the DARPA/Army Team**
- | **Assists in the development of Operational, Systems, and Technical Architectures...**links to the Objective Force
- | **Leverages applicable Government and commercial activities and resources**
- | **Assists in the identification, selection, and procurement of major systems/sub-systems**
- | **Provides direct support to TRADOC, assists requirements development and analysis activities**

Industry Management / Government Oversight

Solicitation... on CTD

FY00-03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15-18
CTD	SDD			Production & Deployment								

Lead System Integrator (LSI) through Concept and Technology Development (CTD) Phase with an option for System Development and Demonstration (SDD) Phase



**Allows Software
Design to Start in CTD**

Concept & Technology Development (CTD) - Period of Performance: (LSI Responsibilities Mar 02 - Jun 03 (16 months))

- | Support TRADOC in refining operational concepts and user requirements
- | Develop, deliver, update, and maintain a system of systems architecture
- | **Specify interfaces**
- | Develop the materiel concept
- | Develop performance specifications
- | Technology and Concept of Operations Demonstrations (virtual and live)
- | Assist The Army in establishing a simulation based acquisition process and federated environment
- | Develop documentation to support a successful Milestone B in 3rd Quarter FY 03

Solicitation... on SDD

FY00-03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15-18
CTD	SDD			Production & Deployment								

In the event the Government elects to enter SDD, the Government and the LSI will enter into negotiations to...

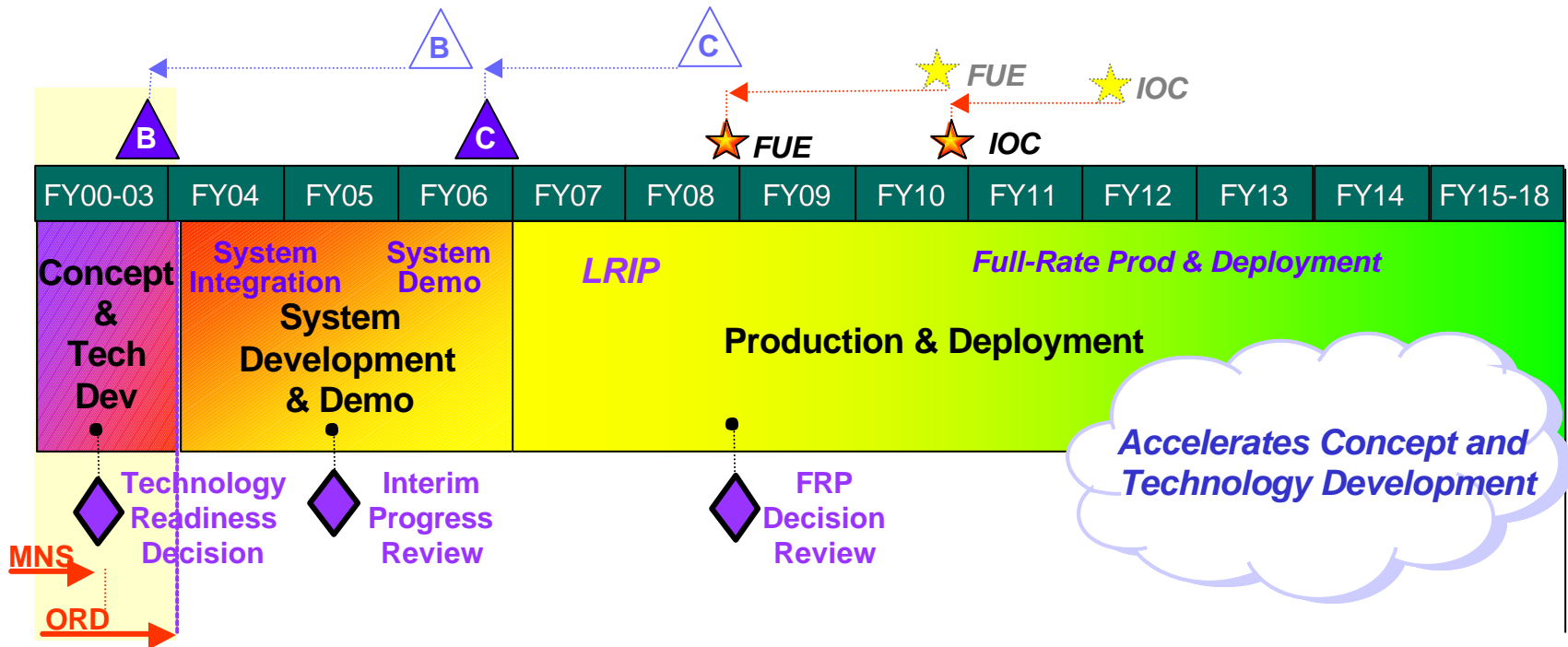
System Development & Demonstration (SDD)

- (Design, manufacture and testing of FCS prototypes
- (Support for Government testing
- (Evaluate producibility
- (Perform virtual and physical testing
- (Documentation – in support of Milestone C
- (Detailed cost reporting
- (Life Cycle Cost (LCC) updated and maintained
- (Technology Assessment and Transition

- Prior To SDD Award**
- ✓ Acquisition Strategy
 - ✓ Validated ORD
 - ✓ Independent Tech Assessment
 - ✓ Demo Results
 - ✓ TEMP
 - ✓ Cost Estimates/ Full Funding

SDD option detail will be refined in an updated SOO prior to option exercise in FY 03 with the opportunity to update the original ROM

FCS Acquisition Concept

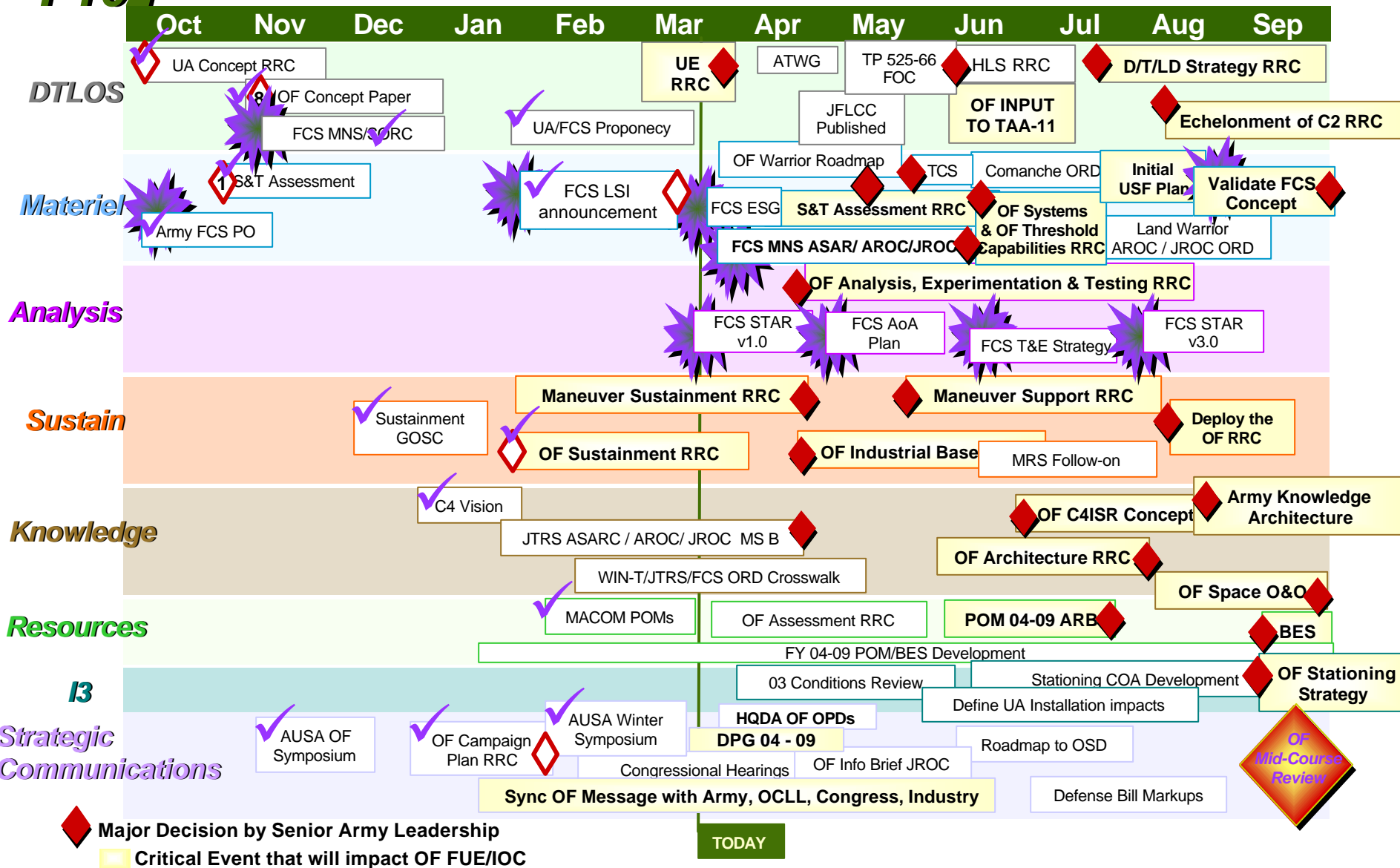


The Lead Systems Integrator (LSI)...

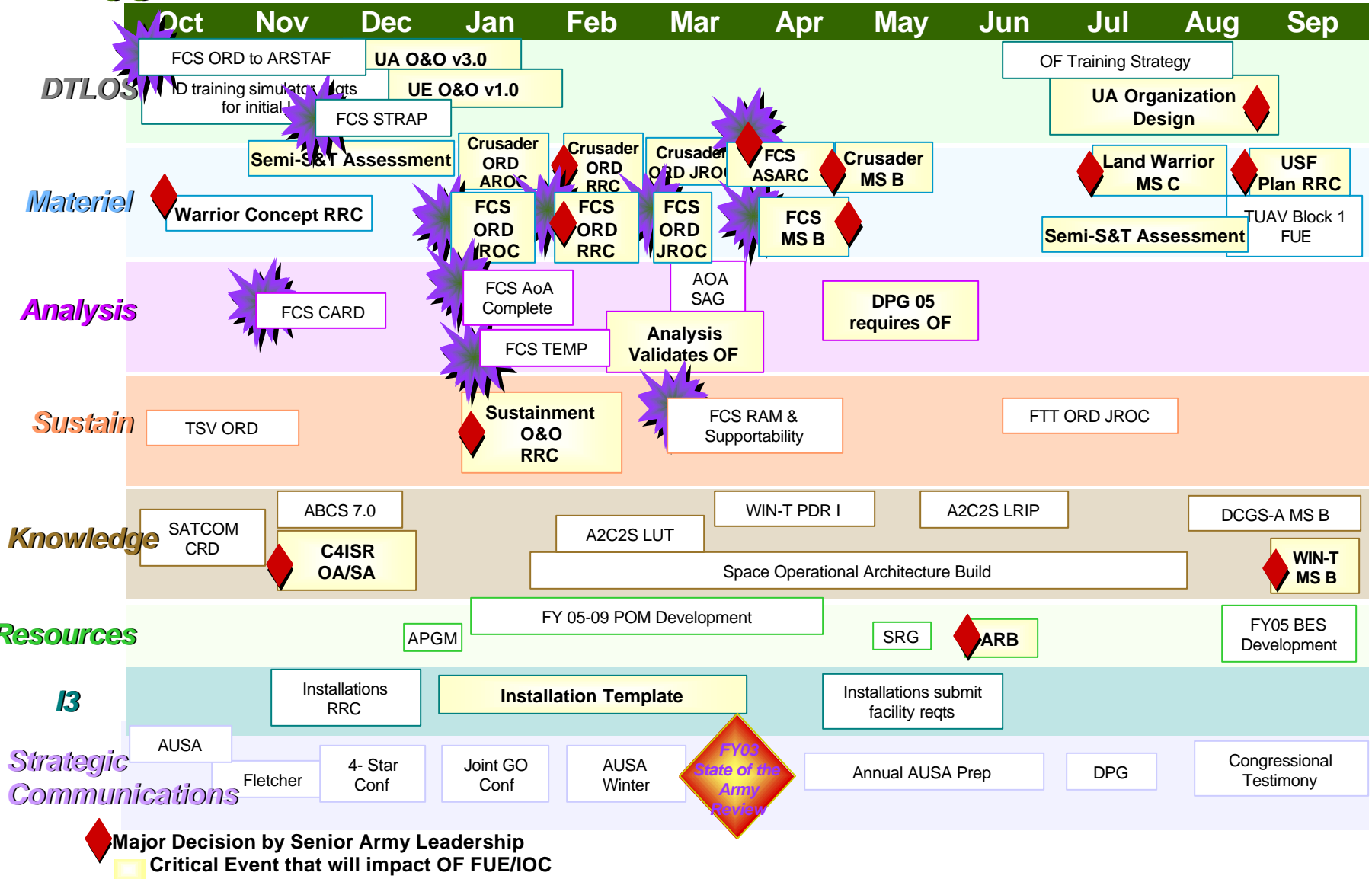
- enters into OTA 845 Agreement in Mar 02
- negotiates option to continue past Milestone B through SDD
- forms partnership with the government for remainder of CTD phase
- carries out competitions for FCS sub-systems/sub-components

Achieves FUE FY08 & IOC FY10

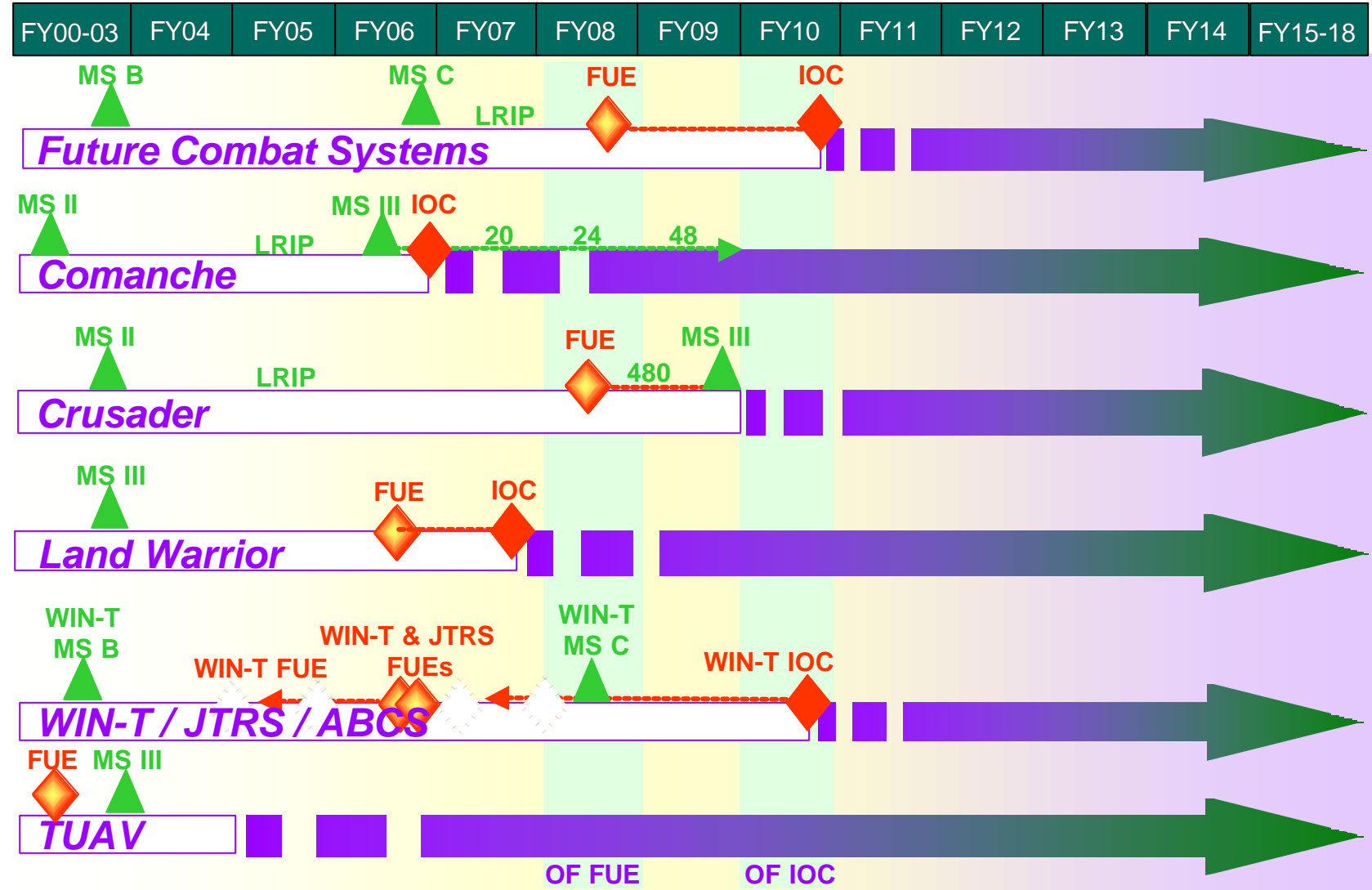
Key and Critical Events, and Major Decisions FY02



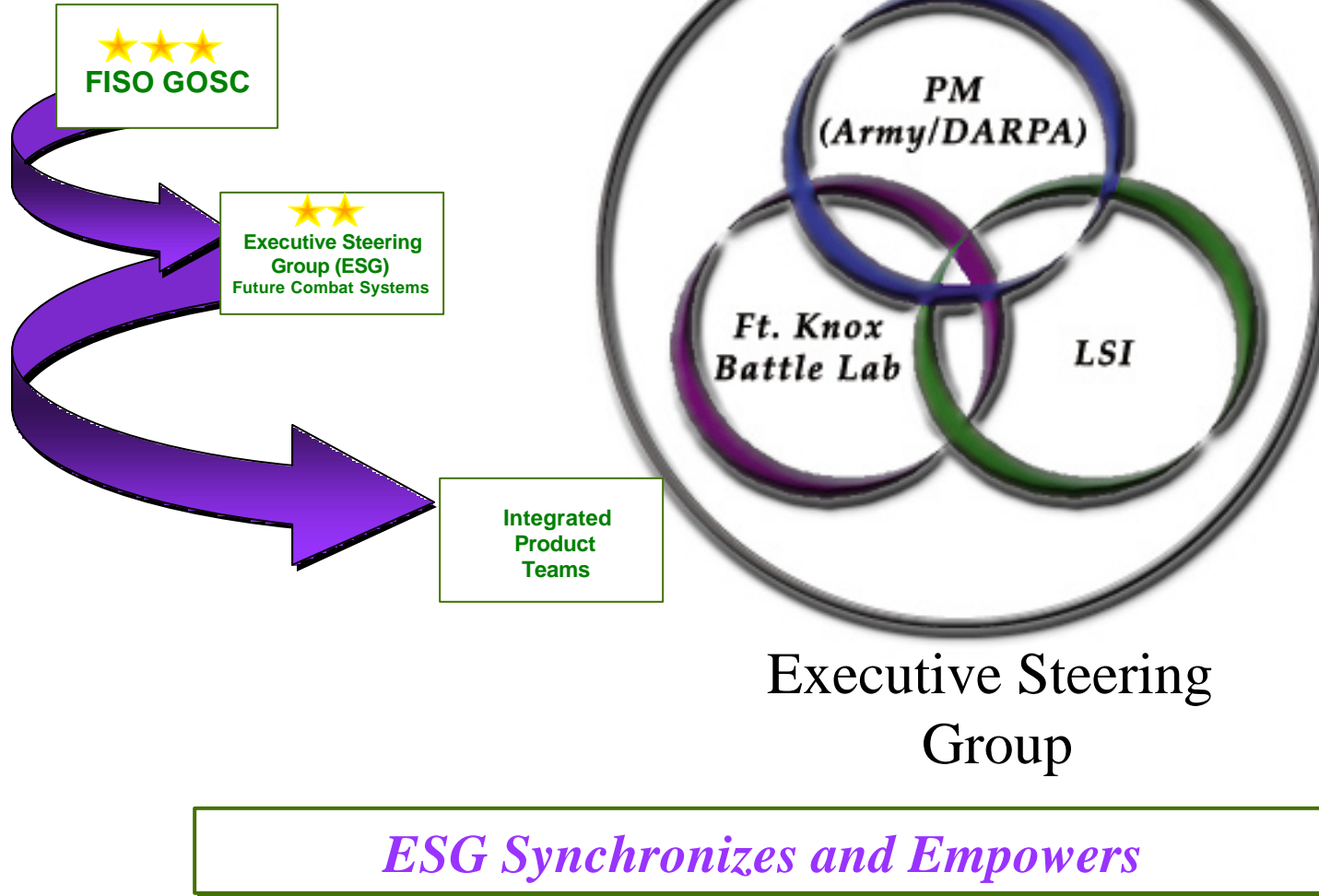
Key and Critical Events, and Major Decisions FY03




Objective Force Capabilities



FCS Centers of Gravity



Our Nation's Future

The background of the slide is a close-up, slightly blurred image of the American flag, showing the stars and stripes in a dynamic, waving pattern. The colors are deep red, white, and blue.

*The Objective Force is the
Transformation of the entire United States Army ...
and it will take the dedicated efforts of the entire
Army Team, the help of our sister Services, industry,
academia, OSD, and Congress, to ensure
that Transformation succeeds!*

A 21st Century Army for a 21st Century World